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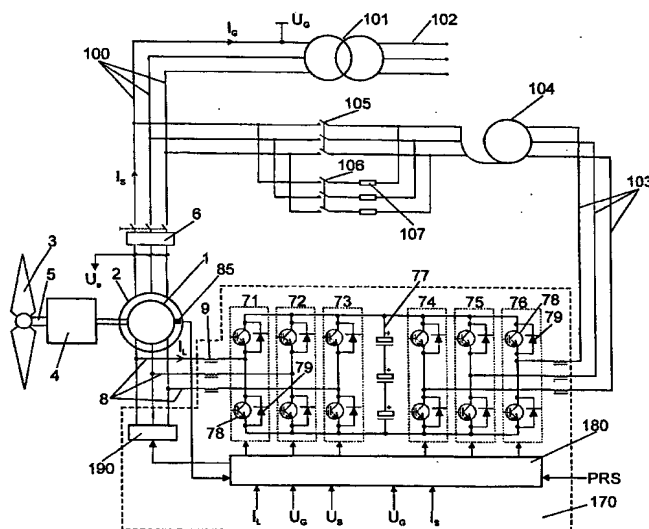
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(54) Title: CONTROL AND PROTECTION OF A DOUBLY-FED INDUCTION GENERATOR SYSTEM



(57) Abstract: A control system for a double-fed induction generator (DFIG) comprising a rotor (1) having rotor windings and a stator (2) having stator windings connectable to a grid for electric power distribution. The control system comprises a converter (17-0, 171), having a clamping unit comprising at least one passive voltage-dependent resistor element (291, 292, 293, 294) for providing a clamping voltage over the rotor windings when the clamping unit is triggered. The invention also relates to a double-fed induction generator (DIFIG) system and to a method for protecting the converter in a power generation system.